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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	Docket Number 13780-2	Application Number 09/888,840
	Applicant(s) WANG ET AL.	
	Filing Date June 25, 2001	Group Art Unit

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A	4,973,599	11/27/90	Gilman et al.			
	B	5,028,629	07/02/91	Lilly et al.			
	C	5,776,951	07/07/98	Arrowsmith et al.			
	D	5,883,106	03/16/99	Stevens et al.			
	E	5,883,133	03/16/99	Schwark et al.			
	F	5,912,266	06/15/99	Perez			
	G	6,110,992	8/29/2000	Wada et al.			
	H	6,110,922	8/29/2000	Link et al.			
	I	S/N 09/285,477					
	J	S/N 09/285,325					

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION N
	K	DE 2123383	12/2/71	Germany				
	L	GB 2 117 760 A	10/19/93	United Kingdon				
	M	EP 0219756	10/6/86	EPO				
	N	JP 12072766	03/07/2000	Japan				
	O	WO98/13347	04/02/98	PCT				
	P	WO98/39303	9/11/1998	PCT				
	Q	WO99/11258	03/11/1999	PCT				
	R	WO99/20617	4/29/1999	PCT				
	S	WO99/20618	4/29/1999	PCT				
	T	WO99/49856	10/07/1999	PCT				
	U	WO00/15604	3/23/2000	PCT				
	V	WO00/15645	3/23/2000	PCT				
	W	WO00/21920	04/20/200	PCT				
	X	WO00/48989	08/24/2000	PCT				
	Y	WO00/59878	10/12/2000	PCT				
	Z	WO00/60355	10/12/2000	PCT				
	AA	WO01/06984	2/1/2001	PCT				
	AB	WO01/07052	2/1/2001	PCT				
	AC	WO01/27102	4/19/2000	PCT				

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AD	Ali, H. et al., *Mechanisms of Inflammation and Leukocyte Activation*, Med. Clin. North America (1997) 81:1-28
	AE	Bella, J., et al. *The Structure of the Two Amino-terminal Domains of Human ICAM-1 Suggests How it Functions as a Rhinovirus Receptor and As An LFA-1 Integrin Ligand.* (1998) Proc. Natl. Acad. Sci. USA 95:4140-4145.
	AF	Binnerts, M.E., et al. *How LFA-1 Binds to Different Ligands.* (1999) Immunol Today 20:240-245.
	AG	Boschelli, D.H., et al. *Inhibition of E-Selectin-, ICAM-1-, and VCAM-1-Mediated Cell Adhesion by Benzo[b]thiophene-, Benzofuran-, Indole-, and Naphthalene-2-Carboxamides: Identification of PD 144795 as an Antiinflammatory Agent.* ((1995) J. Med. Chem. 38:4597-4614.
	AH	Carlos, T.M., *Leukocyte-Endothelial Adhesion Molecules.* Blood (1994) 84:2068-2101
	AI	Edwards, C.P. et al., *Mapping the Intercellular Adhesion Molecule-1 and -2 Binding Site on the Inserted Domain of Leukocyte Function-associated Antigen-1.* (1998) J. Biol. Chem. 273:28937-28944.
	AJ	Fisher, K.L., et al., *Identification of the Binding Site in Intercellular Adhesion Molecule 1 for its Receptor, Leukocyte Function-associated Antigen 1.* (1997) Mol. Biol. Cell 8:501-515.
	AK	Gadek, T.R., et al., *Identification and Characterization of Antagonists of the LFA-1/ICAM-1 Protein-Protein Interaction as Novel Immunomodulatory Agents.* 220th ACS National Meeting, Washington, D.C., USA (2000) MEDI 177
	AL	Gahmberg, C.G., *Leukocyte Adhesion: CD11/CD18 Integrins and Intercullular Adhesion Molecules*, Curr. Opin. Cell Biol. (1997) 9:643-650
	AM	Gahmberg, C.G., *Leukocyte Adhesion: Structure and Function of Human Leukocyte β_2-integrins and Their Cellular Ligands.* (1997) Eur. J. Biochem. 245:215-232.
	AN	Green, J.M., *T Cell Receptor Stimulation, But Not CD28 Costimulation, Is Dependent on LFA-1-Mediated Events*, Eur.. J. Immunology (1994) 24:265-272
	AO	Hamilton, G.S., et al., *Fluorenylalkanoic and Benzoic Acids as Novel Inhibitors of Cell Adhesion Processes in Leukocytes.* (1995) 38:1650-1656.
	AP	Henricks, P.A., *Pharmacological modulation of cell adhesion molecules*, Eur. J. Pharmacol. (1998) 344:1-13
	AQ	Huang, C., *A Binding Interface on the I Domain of Lymphocyte Function-associated Antigen-1 (LFA-1) Required for Specific Interaction with Intercellular Adhesion Molecule 1 (ICAM-1).* (1995) 270:19008-19016
	AR	Huth, J.R., *NMR and Mutagenesis Evidence for an I Domain Allosteric Site That Regulates Lymphocyte Function-associated Antigen 1 Ligand Binding.* Proc. Natl. Acad. Sci, USA (2000) 97:5231-5236.
	AS	Kallen, J., et al., *Structural Basis for LFA-1 Inhibition upon Lovastatin Binding to the CD11a I-Domain*, J. Mol. Biol. (1999) 292-1-9
	AT	Kelly, T.A., *Cutting Edge: A Small Molecule Antagonist of LFA-1-Mediated Cell Adhesion*, J. Immunol. (1999) 163:5173-5177
	AU	Kishimoto, T.K., *Integrins, ICAMs and Selectins: Role and Regulation of Adhesion Molecules in Neutrophil Recruitment to Inflammatory Sites*, Adv. Pharmacol. (1994) 25:117-169
	AV	Landis, R.C. *Involvement of The "I" domain of LFA-1 in Selective Binding to Ligands ICAM-I and ICAM-3*, J. Cell Biol. (1994) 126:529-537
	AW	Link, J.T., et al., *Discovery and SAR of Diarylsulfide Cyclopropylamide LFA-1/ICAM-1 Interaction Antagonists.* Bioorg. Med. Cehm Lett. (2001) 11:973-976
	AX	Liu, G., *Small Molecule Antagonists of the LFA-1/ICAM-1 Interaction as Potential Therapeutic Agents*, Expert Opin. Ther.Patents (2001) 11(9) 1383-1393.
	AY	Liu, G., et al., *Discovery of Novel P-arylthio Cinnamides as Antogonists of Leukocyte Function-associated Antigen-1/intracellular Adhesion Molecule-1 Interaction, 1. Identification of an Additional Binding Pocket Based on an Anilino Diaryl Sulfide Lead.* J. Med. Chem. (2000) 43:4025-4040
	AZ	Liu, G., et al., *Novel P-arylthio Cinnamides as Antagonists of Leukocyte Function-associated Antigen-1/intracellular Adhesion Molecule-1 Interaction. 2. Mechanism of Inhibition and Structure-based Improvement of Pharmaceutical Properties.* (2001) J. Med. Chem. 44:1202-1210.
	BA	Lu, C., et al., *An Isolated, Surface-expressed I Domain of the Integrin Aiβ2 Is Sufficient for Strong Adhesive Function When Locked in the Open Conformation with a Disulfide Bond.* Proc. Natl. Acad. Sci. USA (2001) 98-2387-2392
	BB	Nakano, T., et al., *Adxanthromycins A and B, New Inhibitors of ICAM-1/ILFA-1 Mediated Cell Adhesion Molecule from Streptomyces sp NA-148*, J. Antibos. (Tokyo) (2000) 53:12-18

	BC	Pei, Z., et al., *Discovery of Potent Antagonists of Leukocyte Function-associated Antigen-1/intercellular Adhesion Molecule-1 Interaction. 3. Amide (C-ring) Structure-activity Relationship and Improvement of Overall Properties of Arylthio Cinnamides.* J. Med. Chem. (2001) in press.
	BD	Qu, A., et al., *The Role of the Divalent Cation in the Structure of the I Domain from the CD11a/CD18 Integrin.* (1996) Structure 4:931-942.
	BE	Sanfilippo, P.J. *Novel Thiazole Based Heterocycles as Inhibitors of LFA-1/ICAM-1 Mediated Cell Adhesion,* J. Med. Chem. (1995) 38:1057-1059
	BF	Springer, T.A., *Adhesion Receptors of the Immune System,* Nature (1990) 346:425-434
	BG	Stanley, P., et al., *The I Domain of Integrin LFA-1 interacts with ICAM-1 Domain 1 at Residue Glu-34 But Not Gln-73.* (1998) J. Biol. Chem. 273:3358-3362.

EXAMINER	DATE CONSIDERED

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